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NPIC/TSSG/RED-013-70
8 January 1970

MEMORANDUM FOR: Chief, Technical Services & Support Group, NPIC

ATTENTION : [] PPS/TSSG

SUBJECT : RED Monthly Report on Significant Events (December 1969)

A. Significant Items of Interest for December 1969

1. [] Contract - Center personnel attended a preliminary demonstration on 16 December 1969 at []. The purpose of this demonstration was to present some results of an RED contract with []. The contract required the demonstration of the ability of a display system to solve some typical problems at NPIC.
2. Automated Film Transport Systems - Requests for proposals for a Study of Automated Film Transport Systems were sent to nine contractors. Proposals on this study are due from the contractors on 19 January 1970.
3. SO-242 - A proposal for producing a color calibration grid for SO-242 is in preparation at []. Such a grid will permit us to convert data from color density measurements of SO-242 imagery to C.I.E. chromaticity coordinates, an objective description of color.
4. [] Computer/Calculator - A program was prepared for the computer/calculator to convert the spectral transmission of color filters to C.I.E. and U.C.S. chromaticity coordinates. This technique will facilitate the objective determination of color in color transparencies.
5. [] Image Manipulation - The draft final report covering participation in the in-house analog image manipulation and unconventional materials programs was reviewed and returned for revisions. The clean copy is currently awaited; meanwhile, a staff study recommending contract continuation with [] was submitted through channels.

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6. Tech/Ops T&M Contract - An exploratory task in image analysis was authorized under the Tech/Ops T&M contract. Tech/Ops will explore the feasibility of using their total optical color (TOC) system as a duping system for color films. Various black and white films will be tested and compared to color film dupes. Resolution tests of each sample will be obtained and, if possible, a modulation transfer function for various duping processes will be made. Work on this task will begin in January, 1970.
 7. High Precision Stereo Comparator Program - [] project manager visited [] the optical subcontractor, to review the progress on the optical system. [] has slipped on its delivery schedule. The optical acceptance tests will start the end of February instead of the middle of January 1970. This affects the entire program schedule and the new date for the delivery of the instrument to NPIC will be the end of July 1970.
 8. [] - An updated unsolicited proposal was received from [] This proposal is for a phased research program for a new positive/negative photoreproduction material. These proposals are now being evaluated.
 9. Dry Diazo Photoreproduction Material - On 17 December 1969, a working prototype heat processor for dry diazo photoreproduction material was delivered to NPIC. This piece of equipment, along with a small amount of experimental heat processed diazo material is presently undergoing operational evaluation by IEG personnel. It is planned that suggestions and recommendations from this operational evaluation will be applied to planned program for the modification of an old [] P.I. photoreproduction light table to the new non-ammonia system.
 10. RED Personnel Action - [] of RED/SRB will be leaving the Division on 16 January to work with [] of PPBS.
 11. [] Mid-70's Report - The Executive Director, NPIC was briefed 23 December on the [] report "Mid 1970's Photo-interpretation Workstation Concept" [] As a result of that briefing:
 - a. RED was directed to provide all Group Chiefs with copies of the report;
 - b. The Executive Director, NPIC would convene a meeting of the Group Chiefs to evaluate the recommendations (date to be announced);

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- c. [] was directed to provide the Executive Director, NPIC with a revised summary of the manpower/hardware requirements for each Concept (due 16 January);
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- d. [] was alerted to be prepared to meet with Center personnel to answer questions that may arise from the Group Chiefs' evaluation.

[]
Chief, Research & Engineering Division,
TSSG

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Attachment:

1. []

Distribution:

- 1 - TSSG w/att.
2 - TSSG/RED w/o att.

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